

Universiti Teknologi MARA

Moving Object Detection and Tracking from Video

Sequence:

**An Analysis between Canny Edge Detection and Active
Contour Technique**

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DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline

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Abstract

Application of tracking is to monitor scenes where one would ideally have one or more human observers identifying events and noting everything that happens. In this research, a system to detect moving object in video sequence was develop and Canny edge detection and active contour technique has been chosen to test the effectiveness of this technique. Canny edge detection and active contour was developed using C++ language. The algorithm was tested on standard image processing benchmarks and significances of the result are discussed.

Keywords: canny edge detection, active contour, background subtraction

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